

Sprint 1 Report

Team: eLation Nation

Project: eLation Cross Platform Mobile Apps

Project Sponsor: Innovative Systems LLC

Sprint Duration: September 19, 2012 to October 3, 2012

Team members:

- Michael Malkowski
- Rachel Pekarek
- Jeremy Warner

Project Sponsor: Innovative Systems LLC

Customer Description

Innovative Systems LLC is a telecommunications company that wants to provide additional services to the users of their services. The goal for this project is to extend the existing Innovative Systems eBill website, where customers can access their accounts, to both Android and iOS mobile devices. In addition, a service ticket application will be created for both Android and iOS systems for use by the service technicians. Innovative Systems needs these applications to be user friendly, replicate existing functionality, and integrate with their existing APIs.

Overview of Project

We are developing Android and iOS versions of the eBill application first. A service ticket application will enter development when the API and requirements become available. The eBill application will allow customers to access their account information, usage data, current and previous invoices, as well as let customers make payments and do various other tasks.

Project Environment

- Project Boundaries
 - Code will be kept on Innovative System's SVN server
 - Project will use Eclipse and Xcode for development environments
 - Project will be written in Java and Objective-C in a manner conforming to Innovative System's coding standards
 - Mobile applications will be as similar as possible in layout and as similar as reasonable in design.
 - Communication with Web Service will be done using JSON.
- Project Context
 - Technical Environment
 - The product mobile applications need to run properly on any size iOS or Android device
 - Development is being done on both Mac and Windows computers
 - APIs are being hosted as a Web Service and use the JSON framework
 - Current Systems Overview
 - Currently Innovative Systems has the back end functionality to store and serve the data to their eBill website. They are in the process of creating an API for our team to use to access this functionality as well.

Project Deliverables

- Functional eBill applications for both Android and iOS
- Functional service ticket applications for both Android and iOS
- All source code
- Product Backlog
- Documentation
- Project Plan Document
- Project Design Document
- Software Test Plan and Testing Framework

Backlog Outline

Backlog consists of cards in three major areas:

- Android Development
 - Cards in this area focus on building Android layout elements, building logic to populate the layout with data, and working on Android-specific design issues.
- Apple Development
 - Cards in this area focus on building iOS layout elements, building logic to populate the layout with data, and working on iOS-specific scaling issues.
- API Interface Development.
 - Cards in this area focus on building the API interface for both Android and iOS applications, as well as building objects to be used by other team members for data access

Potential Problems or Issues

- Jeremy will have to learn Objective-C to work on the API interface object for iOS
- APIs are not completed yet and are subject to change
- PDF display on Android and iOS is unknown
- The API's login authentication method has not been used by any member of the team and so is an unknown quantity.